

Healthy People. Healthy Communities.

Department of Public Health & Human Services

Immunization Program

**VFC Hot Topics Webinar
March 2013**

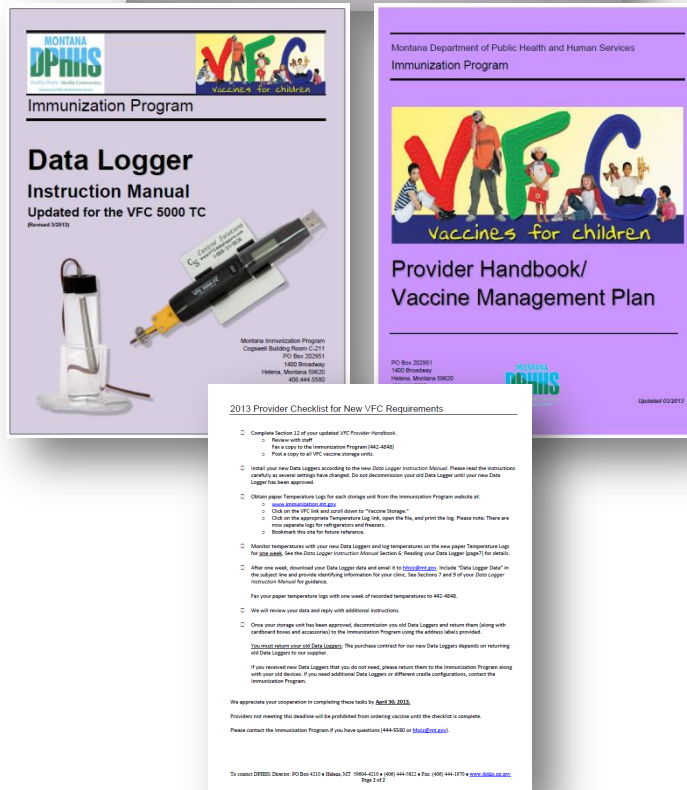
VFC5000-TC Data Loggers

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Data Logger Care Packages:

Mailed March 15th

Contained:

- VFC5000-TC Data Loggers and accessories
- New DL Instruction Manual
- Updated VFC Provider Handbook
- Memo with checklist

2012 = **Blue**

2013 = **Lavender**

Vaccine Storage and Handling

INTERIM GUIDANCE

Introduction

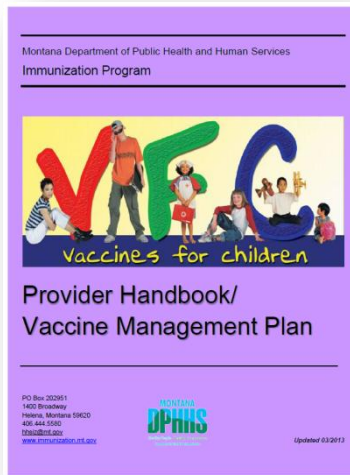
In response to recent scientific studies¹ on equipment used for vaccine storage and a better understanding of best practices for vaccine storage and handling, the Centers for Disease Control and Prevention (CDC) is providing interim guidance on appropriate vaccine storage and handling practices. This guidance is intended for use by all public and private sector providers and, while recognizing that cost may be a barrier, we encourage practices to move toward implementing these recommendations as soon as possible. CDC is currently evaluating the most efficient and cost effective method to phase these recommendations in and more guidance is forthcoming.

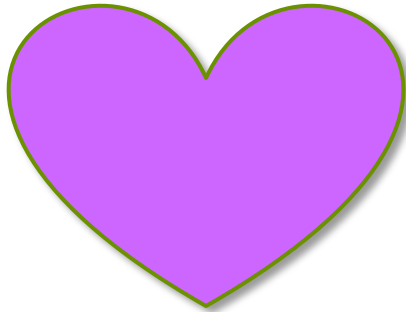
With the goal of improving the way providers store and handle vaccines nationwide, several important changes have been made to previous recommendations issued by CDC, including:

1. Use of a biosafe glycol-encased probe or a similar temperature buffered probe rather than

Why New Data Loggers?

- October 2012 – CDC issued Interim Storage and Handling Guidelines updating recommendations for vaccine storage
- Immunization Program distributes over \$6 million dollars in publicly funded vaccine.
- Require providers receiving that vaccine to follow CDC recommendations.
- We supply compliant thermometers so you don't have to.
- See Handbook Section 14 for details.





Why you're going to love your new data logger:



- **Glycol buffered thermocouple probe:**
 - Measures temperature approximating vaccine not air.
 - Buffered – does not respond to momentary changes in air temperature.
- **Data Logger is on outside of storage unit.**
 - No need to open the door.
 - Lights are readily visible.
 - No stooping, no bending.
 - Probe stays in storage unit while you download data.
- **Two-year calibration!!!**



New things you have to do - once:

- **Checklist in your care package must be completed by April 30th.**
- Fill-out and fax Handbook Section 12
- Install data loggers per New Instruction Manual
- Record data and log temperatures on State-supplied temperature log for one week.
 - Fax temp log
 - Email data logger data
- Wait for approval from Immunization Program:
 - Data logger is set up and adjusted properly for your storage units
 - Storage unit is holding temperatures
 - Emergency and Vaccine Management Plan in place.
- Return old data loggers!!!!...PLEASE!!!

2013 Provider Checklist for New VFC Requirements

- ☐ Complete Section 12 of your updated VFC Provider Handbook.
 - o Review with staff
 - o Fax a copy to the Immunization Program (442-4848)
 - o Post a copy to all VFC vaccine storage units.
 - ☐ Install your new Data Loggers according to the new Data Logger Instruction Manual. Please read the instructions carefully as several settings have changed. Do not decommission your old Data Logger until your new Data Logger has been approved.
 - ☐ Obtain paper Temperature Logs for each storage unit from the Immunization Program website at:
 - o www.immunization.mt.gov
 - o Click on the VFC link and scroll down to "Vaccine Storage."
 - o Click on the appropriate Temperature Log link, open the file, and print the log. Please note: There are now separate logs for refrigerators and freezers.
 - o Bookmark this site for future reference.
 - ☐ Monitor temperatures with your new Data Loggers and log temperatures on the new paper Temperature Logs for one week. See the Data Logger Instruction Manual Section 6: Reading your Data Logger (page 7) for details.
 - ☐ After one week, download your Data Logger data and email it to jhsis@mt.gov. Include "Data Logger Data" in the subject line and provide identifying information for your clinic. See Sections 7 and 9 of your Data Logger Instruction Manual for guidance.
- Fax your paper temperature logs with one week of recorded temperatures to 442-4848.
- ☐ We will review your data and reply with additional instructions.
 - ☐ Once your storage unit has been approved, decommission you old Data Loggers and return them (along with cardboard boxes and accessories) to the Immunization Program using the address label provided.
- You must return your old Data Loggers. The purchase contract for our new Data Loggers depends on returning old Data Loggers to our supplier.
- If you received new Data Loggers that you do not need, please return them to the Immunization Program along with your old devices. If you need additional Data Loggers or different cradle configurations, contact the Immunization Program.

We appreciate your cooperation in completing these tasks by **April 30, 2013**.

Providers not meeting this deadline will be prohibited from ordering vaccine until the checklist is complete.

Please contact the Immunization Program if you have questions (444-5580 or jhsis@mt.gov).

To contact DPH&HS Director: PO Box 4210 • Helena, MT 59604-4210 • (406) 444-5622 • Fax: (406) 444-1970 • www.dphhs.mt.gov
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New things you have to do - regularly:

- Record min/max temperatures every morning in addition to current temperature morning and evening.

Day of Month	1	2		
	am	pm	am	pm
Time of Day	9	5	9	5
Staff Initials	kt	kt	kt	kt
LED Green	Y	Y	Y	Y
≥49°				
48°				
47°				
46°				
45°				
44°				
43°	m		m	
42°				
41°	X			
40°	m		m	
39°				
38°				

Push #4

Wait 30 seconds;
Blank, start over



Push #2 Max



Push #3 Min



Pitfalls, Pratfalls, and Frequently Asked Questions



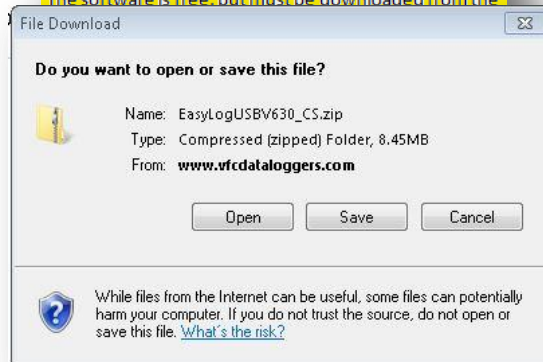


Must use EasyLog Version 6.3 software:

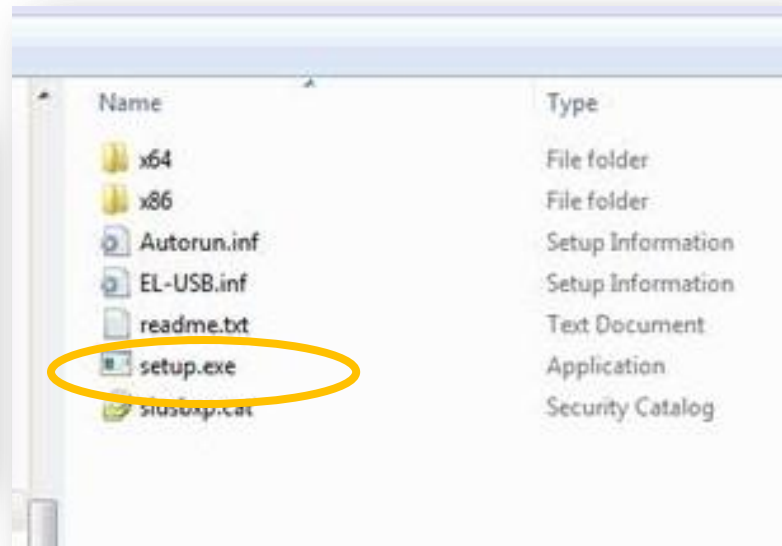
- No disk in box.
- Must download online.
- Follow instructions on yellow card in data logger box.
- Downloaded software will not auto run. Must double click “setup.exe” file.

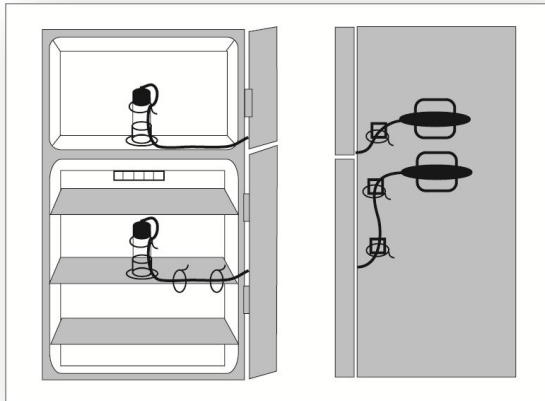
EasyLog Software Version 6.3 is required:

The software is free, but must be downloaded from the



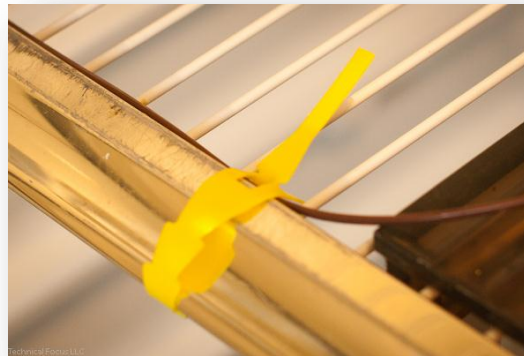
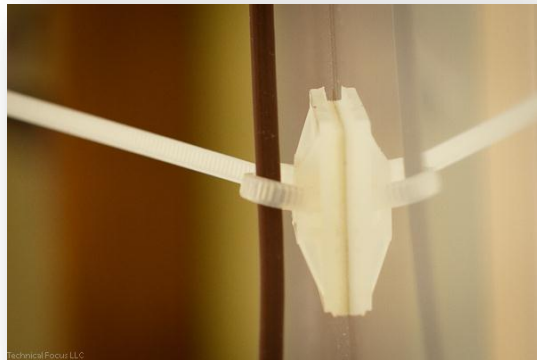
- Once the software is downloaded, click "run" and follow the screen prompts.
- You must install the software and the driver.





Use plastic ties and adhesive squares to secure wire:

- Recommend running wire out hinge side of door.
- Use plastic ties inside.
- Squares and ties on outside.
- Ties are not re-usable. Must cut to remove.
- Use twist ties or garbage bag ties.
- Important to secure the wire.





>1 hour

Install the glycol buffered probe first:

➤ Allow to equilibrate for over an hour before attaching data logger.

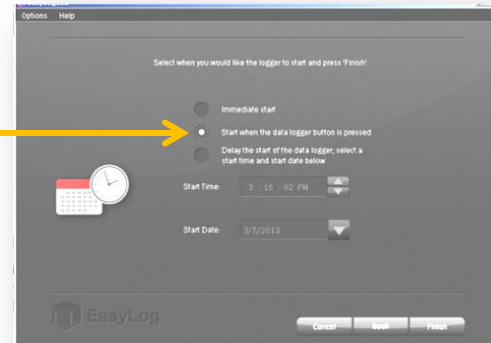


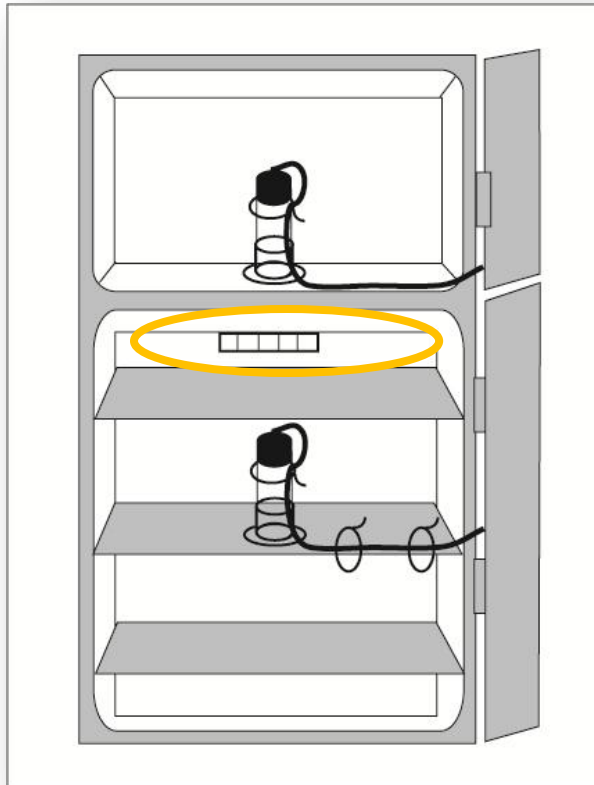
➤ **Push start** instead of delayed start with old devices.

➤ Once installed, probe never leaves storage unit.

➤ No need for delayed start.

Push
Start



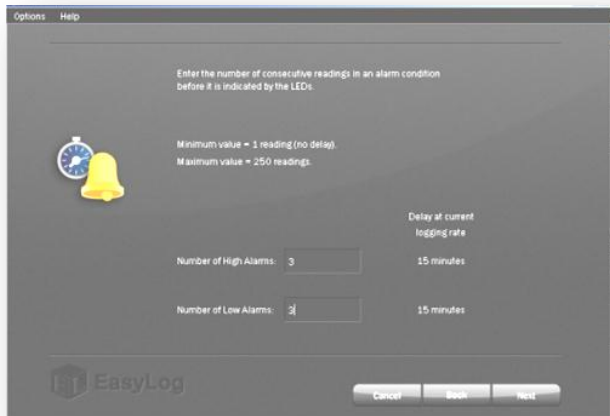


Combo units beware of vent from freezer!!!

- Keep data logger probe and vaccine away from vent.
- Too cold and may even be freezing.



Alarm Delays:



- Setup screen #5
- Will not show up if you have not set temperature thresholds
- How many out-of-range readings before red light is activated.
- Number of readings AND duration (based on sampling rate)


- **New recommended settings:** Why? We now read “vaccine temperature” and not air temperature. No lag time.



Alarm Delays:

Options Help

Enter the number of consecutive readings in an alarm condition before it is indicated by the LEDs.



Minimum value = 1 reading (no delay).
Maximum value = 250 readings.

Delay at current logging rate

Number of High Alarms: 3 15 minutes

Number of Low Alarms: 3 15 minutes

EasyLog

Cancel Back Next

Alarm Delays – Refrigerators:

- “3” or 15 minutes
- No exceptions.

The screenshot shows the 'Options' window of the EasyLog software. At the top, there are 'Options' and 'Help' menu items. Below them, a text box instructs the user to 'Enter the number of consecutive readings in an alarm condition before it is indicated by the LEDs.' To the left of the input fields is an icon of a clock and a yellow bell. The interface specifies a 'Minimum value = 1 reading (no delay)' and a 'Maximum value = 250 readings.' There are two rows of input fields: 'Number of High Alarms' and 'Number of Low Alarms', both with the value '3' entered. To the right of these fields, a label 'Delay at current logging rate' is shown, with '15 minutes' displayed below it for both high and low alarm settings. At the bottom left is the 'EasyLog' logo, and at the bottom right are three buttons: 'Cancel', 'Back', and 'Next'.

Options Help

Enter the number of consecutive readings in an alarm condition before it is indicated by the LEDs.

Minimum value = 1 reading (no delay).
Maximum value = 250 readings.

Number of High Alarms: 3

Number of Low Alarms: 3

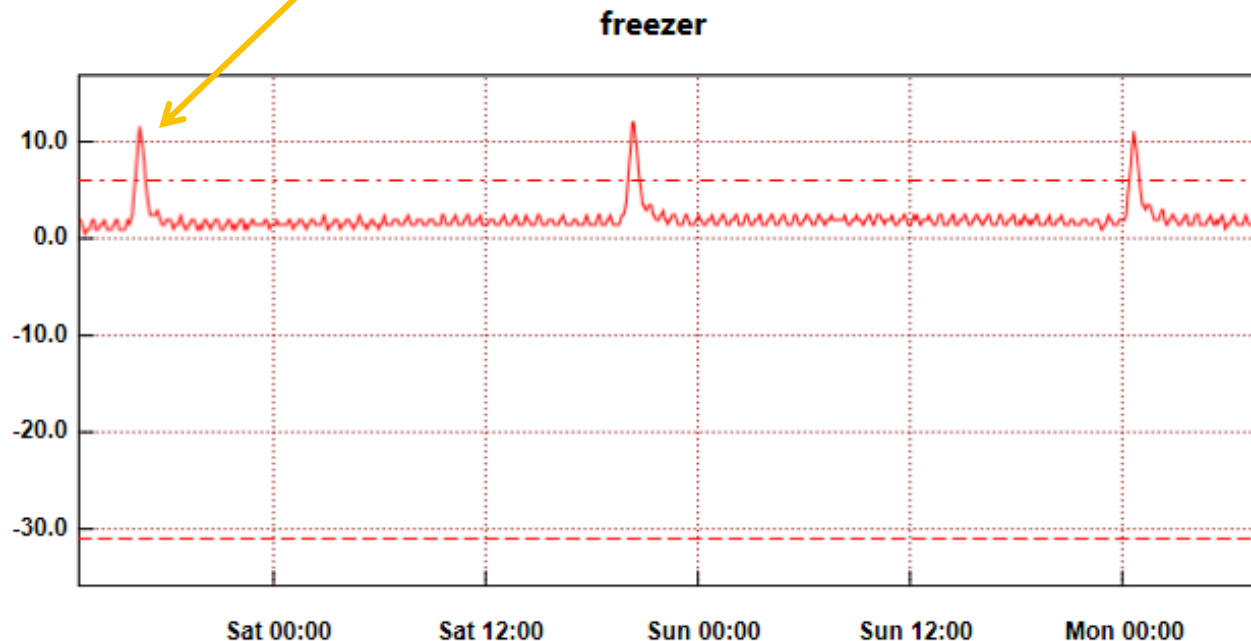
Delay at current logging rate
15 minutes
15 minutes

EasyLog

Cancel Back Next

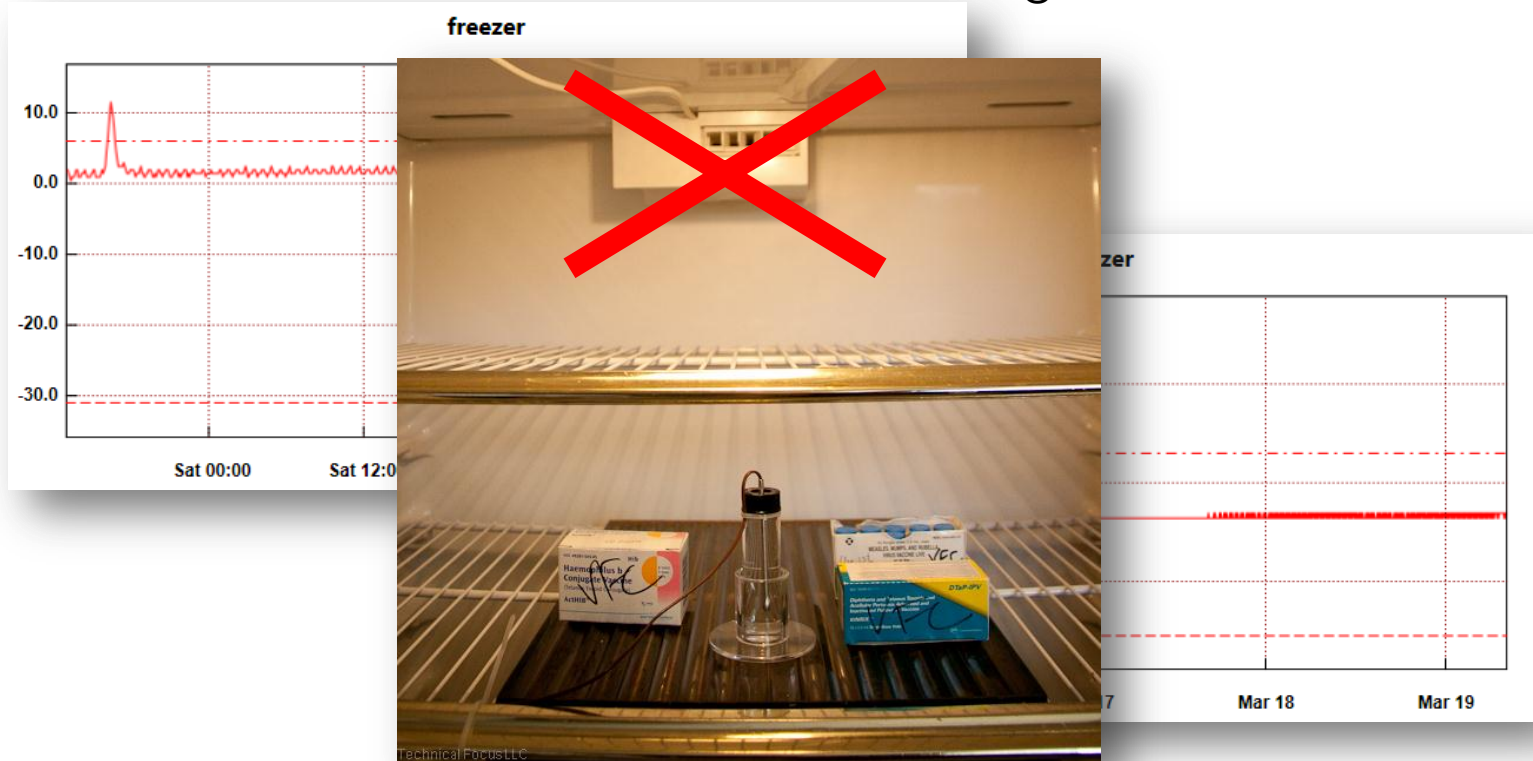
Alarm Delays – Freezers:

- Still must accommodate defrost cycles in “frost-free” units.
- 7 (30 minutes) to 12 (1 hour)
- Must review data to determine.



Consider getting stand-alone units:

- New CDC recommendation.
- NOT a requirement in the Montana VFC Program.
- But a good idea!
 - No defrost cycles
 - No freezing air in the refrigerator



Contact us if you need:

- Different cradle configurations (single versus double)
- Additional data loggers



If you have extra data loggers...

Please return old/extra data loggers to the Immunization Program:

Address label provided in your care package:

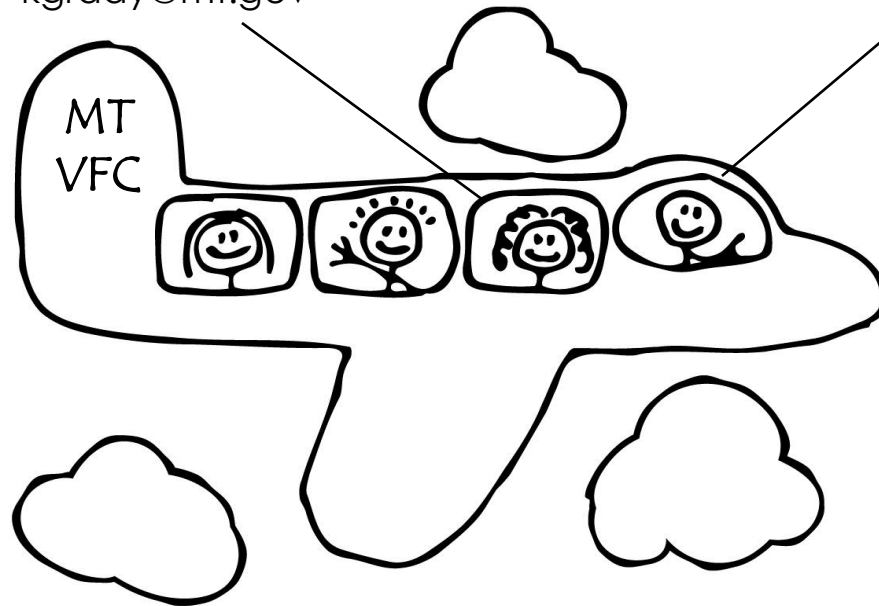
Montana Immunization Program
Cogswell Building Room C-211
PO Box 202951
Helena, Montana 59620 - 2951

Our purchase contract depends on returning old data loggers!!!

By April 30, 2013

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Questions?

Montana Immunization
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444-5580
hhsiz@mt.gov